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(71) Applicant (for all designated States except US): **DELPHI TECHNOLOGIES, INC.** [US/US]; 5825 Delphi Drive, Troy, MI 48098-2815 (US).

(72) Inventors; and

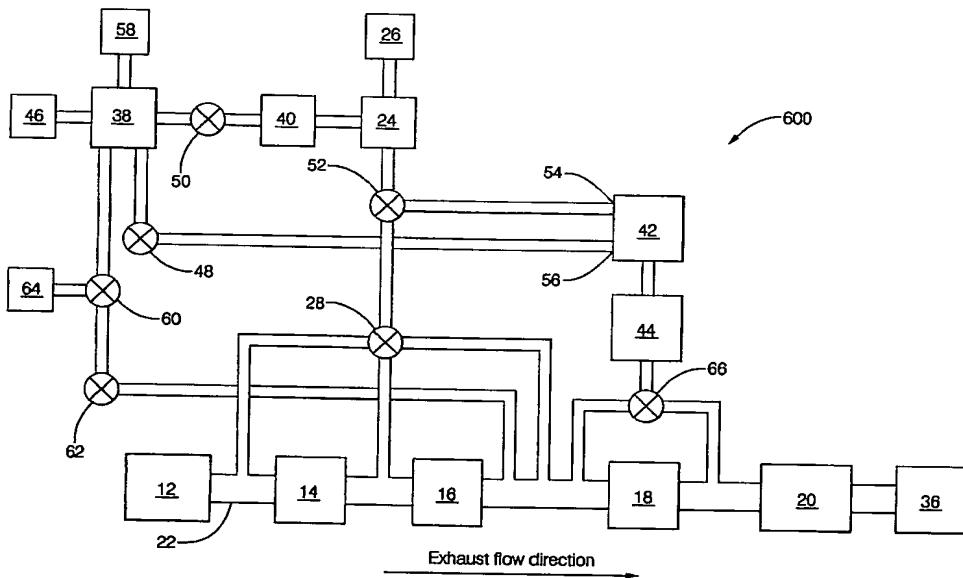
(75) Inventors/Applicants (for US only): **KUPE, Joachim** [LU/US]; 8151 Pine Forest, Davisburg, MI 48350 (US). **ZISELMAN, James** [US/US]; 1887 Hickory Lane, Honeoye Falls, NY 14472 (US). **BOTTI, Jean, J.** [FR/US]; 3501 Cedar Shake Drive, Rochester Hills, MI 48309 (US). **SIMPKINS, Haskell** [US/US]; 12224 Wellington Drive, Grand Blanc, MI 48439 (US). **HEMINGWAY, Mark, D.**

(74) Agent: **MARSHALL, Paul**; Delphi Technologies, INC., P.O. Box 5052, Mail Code 480-410-202, Troy, MI 48007 (US).

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(54) Title: SYSTEM AND METHOD OF NO<sub>x</sub> ABATEMENT



(57) Abstract: A NO<sub>x</sub> abatement system comprising: a first NO<sub>x</sub> adsorber (18) capable of being disposed in-line and downstream of and in fluid communication with an engine (12); a selective catalytic reduction catalyst (20) disposed in-line and downstream of and in direct fluid communication with the first NO<sub>x</sub> adsorber (18), wherein the selective catalytic reduction catalyst (20) is capable of storing ammonia; and an off-line reformer (24) disposed in selective communication with and upstream of the first NO<sub>x</sub> adsorber (18) and the selective catalytic reduction catalyst (20), wherein the reformer (24) is capable of producing a reformate comprising primarily hydrogen and carbon monoxide.



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